

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13N		Page 1 of 6
Title: Commodity Specific Requirements for Broccoli		
Revision: 1	Replaces: 01/01/01	Effective: 04/01/01

1. Purpose:

To provide a listing of PDP identified required compounds for broccoli.

2. Scope:

This standard operating procedure shall be followed by all laboratories analyzing broccoli for PDP. This SOP shall be used in conjunction with QC-13, which identifies commodity groupings for selected/single screens, validation purposes, and approved process controls.

3. Outline of Procedure:

- 5.1 Compounds Required for Broccoli Multiresidue Screens
- 5.2 Marker Pesticides for Broccoli Multiresidue Screens

4. References:

- USDA/AMS PDP Quality Assurance(QA)/Technical Meeting, February 21-22, 2001
- PDP Program Plan, January - June, 2001
- PDP Federal/State Meeting, October 31 - November 2, 2000
- PDP 2000-2001 Program Planning Meeting, April 26, 2000
- SOP PDP-QC-13, "Required Compounds, Commodity Groups, and Marker Pesticides", revision 6, April 1, 2000
- Pesticide Chemical News Guide (PCNG), December 1, 1999

5. Specific Procedures:

This standard operating procedure (SOP) represents minimum PDP requirements and is presented as a general guideline. Each laboratory shall have written procedures that provide specific details concerning how the procedure has been implemented in that laboratory.

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5.1 Compounds Required for Broccoli Multiresidue Screens

Broccoli Compound	Reported As	Pest Code
Azinphos methyl		042
Bifenthrin		930
Captan		011
Carbaryl		102
Chlorothalonil		164
Chlorpyrifos		160
Cypermethrin		597
DCPA		134
DDE	DDE p,p'	910
	And/or DDE o,p'	911
	Or DDE (total combined)	300
Diazinon		024
Diazinon O-analog		395
Dieldrin		028
Dimethoate		171
Disulfoton		117
Disulfoton sulfone		216
Endosulfan I		900
Endosulfan II		901
Endosulfan sulfate		902
Fenpropathrin		808
Fenvalerate/Esfenvalerate	Fenvalerate	546
	And esfenvalerate	714
	Or Fenvalerate (total combined)	546
Fludioxonil ¹		B23
Fluridone ¹		736
Heptachlor epoxide		143
Hexachlorobenzene		321
Iprodione		626

¹ Required only on samples received by CA1 from CA and MD. Analysis by FL2 on samples received from CO, FL, MI, NY, OH, TX, WA, and WI is not required.

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Broccoli Compound	Reported As	Pest Code
Lambda-cyhalothrin		A39
Lindane		050
Malathion		052
Malathion O-analog		208
Metalaxyl		607
Methamidophos		170
Methomyl		159
Methoxychlor	Methoxychlor p,p'	275
	Or Methoxychlor (total combined)	055
Mevinphos	Mevinphos E	579
	And mevinphos Z	578
	Or Mevinphos (total combined)	069
Napropamide		594
o-Phenylphenol ¹		083
Omethoate		178
Oxydemeton methyl sulfone		245
Oxyfluorfen		713
Parathion		065
Parathion O-analog		370
Pentachlorobenzene (PCB)		387
Permethrin	Permethrin cis	223
	And Permethrin trans	223
	Or Permethrin (total combined)	539
Quintozene (PCNB)		304
Trifluralin		151

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5.2 Marker Pesticides for Broccoli Multiresidue Screens

Azinphos methyl
Diazinon
Iprodione
PCNB

Carbaryl
Dimethoate
Methamidophos
Permethrin

DDE p,p'
Endosulfan I
Methomyl

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3/21/01

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Pesticide Data Branch

- Updated section 4, “References”
- Removed testing requirements for fludioxonil, fluridone, and o-phenylphenol from FL2
- Removed testing requirements for imidacloprid